

CLAIMS

1. A mattress (1) of independent and detachable parts, comprising:

- 5 - a base (3);
- a plurality of independent and detachable parts (4) which are placed upon said base (3);
- auto adherent joining means of Velcro type or similar to join in a detachable way said base (3) with said plurality of independent and detachable parts (4).

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2. A mattress (1) of independent and detachable parts according to claim 1, characterized in that said base (3) can have any shape and dimension according to its use and finality and can be manufactured in any elastic or semi-rigid material.

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3. A mattress (1) of independent and detachable parts according to claim 1, characterized in that said independent and detachable parts (4) are of a shape selected of prismatic, cylindrical, conical or pyramidal trunk or any other type suitable to deform elastically when submitted to a load perpendicular or slightly inclined with respect to the upper surface of the base (3) of the mattress (1); and said independent

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and detachable parts (4) have a section that can be selected of square, circular, elliptical, polygonal or of any other form, being the height of said independent and detachable parts (4) variable according to the needs of the user or patient, the material of said independent and detachable parts (4) being of any type of elastic material adequate for mattresses, preferably latex, the plurality of said independent and

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detachable parts (4) placed upon such base (3) can be composed simultaneously by independent parts (4) of different shapes, different sections, different heights and different materials, the arrangement of said independent and detachable parts (4) upon said base (3) of said mattress (1) being of any desired shape, the placement of each independent and detachable part (4) exclusively depending upon the

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convenience of placing said part (4) at a certain place according to the needs of the user's body, particularly of the body of the patient confined to bed or hospitalised and being each and every independent and detachable part (4) separated by a small distance of any adjacent independent and detachable parts (4).

4. A mattress (1) of independent and detachable parts according to claim 1, characterized in that said auto adherent joining means of Velcro type or similar that join in a detachable way said base (3) with said plurality of independent and detachable parts (4) comprise :

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a) either a continuous fabric sheet (2) of auto adherent Velcro type or similar of the same dimensions as the ones of the upper surface of said base (3) and joined to said upper surface of said base (3),

or

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a plurality of continuous or separated fabric auto adherent detachable strips of Velcro type or similar joined to the upper surface of said base (3) and placed in a sufficient quantity to allow for placing said independent and detachable parts (4), no matter what their dimensions, sections and shapes are, in whatever position of said upper surface of said base (3); and

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b) some auto adherent complementary fabric sheets to complete, once joined to said auto adherent fabric (2), said joining means of Velcro type or similar, each of said complementary auto adherent fabric sheets being joined to the lower surface of the corresponding independent and detachable parts (4) and each of the said sheets of auto adherent complementary fabric being the same in dimensions as said lower surface of the independent and detachable part (4) to which they are joined to.

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whereby, through the joining of said sheets of complementary and auto adherent fabric with said continuous sheet of auto adherent fabric (2) or with said continuous or separate strips of auto adherent fabric, a detachable joining is established between said base (3) and said plurality of independent and detachable parts (4) which are placed over such a base (3).

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5. A mattress (1) of independent and detachable parts according to claim 1, characterized in that it can be provided with an outer cover provided with a side fastener in all or some of the sides, such as zippers, pressure latches or other types, to allow said independent parts (4) to be individually extracted, inserted or changed by others which would be similar or even different and consequently substituted by new ones when these are damaged or deteriorated.

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6. A mattress (1) of independent and detachable parts according to claim 1, characterized in that it can be used by means of an adequate choice of the shapes and dimensions of its components, as a cushion, a seat and a headrest including those of vehicles, an armrest, a footrest, a pillow, and other elements for the daily rest
- 5 of adult and children's bodies.